

SAIKAT BHATTACHARYA

Kolkata, West Bengal

☎ +91 9804099426 ✉ bhattacharyasaikat88@gmail.com 📱 bhattacharyasaikat 🌐 saikat-bhattacharya

Education

Techno India University

Bachelor of Technology in Computer Science Engineering CGPA of 9.04

November 2021 - June 2025

West Bengal, India

Sinthi RBT VidyaPith

Higher Secondary, WBCHSE, 79%

2019 - 2021

West Bengal, India

Sinthi RBT VidyaPith

Secondary, WBBSE, 74%

2019

West Bengal, India

Skills

Languages: C/C++, Python

Technologies/Frameworks/Libraries: Node.js, Express.js, MongoDB, LLM, RAG.

Tools: Linux, Git, Github

Coursework: Data Structure and Algorithms, Object-Oriented Programming, Computer Networks, OS, DBMS.

Soft Skills: Attention to detail, Communication, Time management, Teamwork.

Experience

Celebal Technologies

June 2024 - August 2024

Backend Developer - Node.js Intern

Remote, India

- Developed and maintained backend services in Node.js, designing RESTful APIs with Express.js that improved response time by 30% and integrating MongoDB to boost transaction performance by 25%.
- Enhanced security by implementing JWT authentication for secure user sessions and protected routes.
- Collaborated in an agile environment, applying distributed systems principles to create scalable, efficient architectures for high-volume applications.

Projects

Swasthya-Sampark | Node.js, Express.js, React, MongoDB, Zod, LLM, Machine Learning, Chroma DB | Visit | Code

- Built a healthcare platform featuring **real-time doctor-patient interactions, AI-driven consultations, and dynamic symptom tracking**, serving over 50 users.
- Utilized the **Retrieval-Augmented Generation** (RAG) enhance accuracy, boosting user engagement by 30%.
- Designed a smart symptom dynamic input feature to guide users like a **medical consultation, enhancing diagnostic accuracy** and achieving 80% positive feedback for user-friendliness and reliability.

Employee Management System | React.js, Node.js, Express.js, MongoDB, JWT, bcrypt, ZOD | Source Code

- Developed a backend API in Node.js and Express, implementing Zod for server-side validation and JWT authentication, along with efficient searching, sorting, and pagination to handle up to 10,000 records.
- Designed a React frontend featuring search, sort, and pagination, along with file upload (JPG/PNG), resulting in a 30% increase in user engagement.

System Monitoring Automation | Shell Scripting, Cron, Mailutils | Source Code

- Developed an automated system monitoring tool scheduled with Cron to track CPU, memory, disk space, and network activity every 2 minutes, ensuring continuous performance logging.
- Implemented email alerts with Mailutils to notify when resource usage exceeds 80%, improving proactive resource management by 90% and logging real-time network activity for comprehensive health monitoring.

Certifications

- SQL - Hackerrank
- AWS Academy Graduate - AWS Academy Cloud Foundations
- Crash Course on Python
- Python for Data Science (IIT Madras) - Numpy, Pandas, Data visualization using matplotlib and seaborn libraries.

Achievements

- Earned 100 Days Leetcode badge 2024
- Finalist of AI Hackathon - Organized by Techno Billion AI
- Lead of the Computing Domain of University's Tech Club Takshila.

Profile Links

Leetcode | Codechef | GeeksforGeeks